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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/649,443	08/26/2003	Robert J. Higgins	CM06374J	5767
7590	06/15/2007			EXAMINER MILORD, MARCEAU
Barbara R. Doutre Motorola, Inc. Law Department 8000 West Sunrise Boulevard Fort Lauderdale, FL 33322			ART UNIT 2618	PAPER NUMBER PAPER
			MAIL DATE 06/15/2007	DELIVERY MODE

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No.	Applicant(s)	
	10/649,443	HIGGINS ET AL.	
Examiner	Art Unit		
Marceau Milord	2618		

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1) Responsive to communication(s) filed on 30 March 2007.

2a) This action is **FINAL**. 2b) This action is non-final.

3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4) Claim(s) 1-26 is/are pending in the application.
4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5) Claim(s) _____ is/are allowed.

6) Claim(s) 1-10, 12-15 and 18-26 is/are rejected.

7) Claim(s) 11, 16 and 17 is/are objected to.

8) Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9) The specification is objected to by the Examiner.

10) The drawing(s) filed on _____ is/are: a) accepted or b) objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
a) All b) Some * c) None of:
1. Certified copies of the priority documents have been received.
2. Certified copies of the priority documents have been received in Application No. _____.
3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) Notice of References Cited (PTO-892)
2) Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date _____.
4) Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.
5) Notice of Informal Patent Application
6) Other: _____.

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

2. Claims 1-10, 12-15, 18-26 are rejected under 35 U.S.C. 102(e) as being anticipated by Abramov et al (US Patent No 6486832 B1).

Regarding claim 1, Abramov et al discloses an antenna (figs. 1 and 6) for a portable communication device (figs. 3-5; col. 1, line 52-col. 2, line 6), the antenna (12 of figs. 1, 12 of figs. 3-4) includes at least one single memory device (33 of fig. 4) programmed with antenna parameters (col. 2, lines 55-65; col. 3, lines 18-41; col. 3, line 53- col. 4, line 27; col. 4, lines 42-67).

Regarding claim 2, Abramov et al discloses an antenna (figs. 1 and 6) for a portable communication device (figs. 3-5; col. 1, line 52-col. 2, line 6), wherein the programmed antenna parameters are alterable (col. 4, lines 14-35).

Regarding claim 3, Abramov et al discloses an antenna (figs. 1 and 6) for a portable communication device (figs. 3-5; col. 1, line 52-col. 2, line 6), wherein the at least one single wire memory device can be manipulated by the portable communication device (col. 3, line 20-col. 4, line 10; col. 4, lines 19-41).

Regarding claim 4, Abramov et al discloses an antenna (figs. 1 and 6) for a portable communication device (figs. 3-5; col. 1, line 52-col. 2, line 6), wherein the at least one single wire memory device manipulates operation of the portable communication device (col. 3, line 20- col. 4, line 10; col. 4, lines 19-41).

Regarding claim 5, Abramov et al discloses an antenna (figs. 1 and 6) for a portable communication device (figs. 3-5; col. 1, line 52-col. 2, line 6), wherein the at least one single wire memory device comprises a 1-wire device (col. 3, lines 53-67; col. 4, lines 17-27).

Regarding claim 6, Abramov et al discloses an antenna (figs. 1 and 6) for a portable communication device (figs. 3-5; col. 1, line 52-col. 2, line 6), wherein the at least one single wire memory device comprises an EEPROM (col. 3, lines 53-67; col. 4, lines 17-27).

Regarding claim 7, Abramov et al discloses an antenna for a portable communication device (figs. 2 and 4), further comprising a single coaxial connector and the at least one single wire device being electrically coupled thereto (figs. 3-5; see USB interface; col. 3, lines 53-67; col. 4, lines 42-67).

Regarding claim 8, Abramov et al discloses an antenna (figs. 1 and 6) (figs. 2 and 4; col. 3, lines 13-43; col. 5, lines 1-41; col. 6, lines 5-15); and a single coaxial antenna connector, the single coaxial connector enabling both RF transport and single wire bus communications (col. 5, lines 18-33).

Regarding claim 9, Abramov et al discloses a radio and antenna interface (figs. 1 and 6) system, comprising: a radio including radio electronic circuitry (figs. 3-5) for duplexing RF and baseband signals; an antenna (12 of figs. 1, 12 of figs. 3-4) including antenna electronic circuitry for duplexing RF and baseband signals; a coaxial interface coupling the radio and the antenna, the coaxial interface providing a transport for both the RF and baseband signals; and a memory device embedded in the antenna and coupled to the coaxial interface (col. 2, lines 55-65; col. 3, lines 18-41; col. 3, line 53- col. 4, line 27; col. 4, lines 42-67).

Regarding claim 10, Abramov et al discloses a radio and antenna interface (figs. 1 and 6) system, wherein the memory device is a single wire memory device (col. 3, lines 53-67; col. 4, lines 17-27).

Regarding claim 12, Abramov et al discloses an antenna (figs. 1 and 6), comprising: an antenna center (12 of figs. 1, 12 of figs. 3-4) conductor single wire memory device electrically coupled to the antenna center conductor (col. 3, lines 1-9; col. 3, lines 31-41; col. 4, lines 42-67).

Regarding claim 13, Abramov et al as modified discloses an antenna, wherein the antenna center conductor transports both RF and baseband signals (col. 3, lines 6-56; col. 6, lines 1-17).

Regarding claim 14, Abramov et al discloses an antenna (figs. 1 and 6), wherein the single wire memory device comprises an EEPROM (col. 3, lines 53-67; col. 4, lines 17-27).

Regarding claims 15 and 18, Abramov et al discloses an antenna interface (figs. 1 and 6) comprising: an antenna center conductor (12 of figs. 1, 12 of figs. 3-4), and a radio center conductor for coupling to the antenna center conductor (col. 3, lines 1-9; col. 3, lines 31-41; col. 4, lines 42-67).

Regarding claim 19, Abramov et al discloses an antenna interface system (figs. 1 and 6), further comprising additional devices within the antenna for controlling predetermined antenna parameters (col. 3, line 53- col. 4, line 27; col. 4, lines 42-67).

Regarding claim 20, Abramov et al discloses an antenna interface system (figs. 1 and 6), wherein the additional devices include a parallel output single wire I/O device (col. 4, lines 14-63).

Regarding claim 21, Abramov et al discloses an antenna interface system (figs. 1 and 6), wherein the parallel output single wire I/O device opens and closes switch contacts to alter the operating frequency of the antenna (col. 5, line 24- col. 6, line 17).

Regarding claims 22-23, Abramov et al discloses an antenna (figs. 1 and 6) ,comprising: an antenna center conductor(12 of figs. 1, 12 of figs. 3-4), and at least one single wire bus device electrically coupled to the antenna (col. 3, lines 1-9; col. 3, lines 31-41;col. 4, lines 42-67).

Regarding claims 24-26, Abramov et al discloses an antenna for coupling to a portable communication device (figs. 1 and 6; figs. 3-5), the antenna (12 of figs. 1, 12 of figs. 3-4) comprising a device for storing antenna parameters, the radio determining whether a correct antenna has been coupled thereto based on the antenna parameters (col. 2, lines 55-65; col. 3, lines 18-41; col. 3, line 53- col. 4, line 27; col. 4, lines 42-67).

Allowable Subject Matter

3. Claims 11, 16-17 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Response to Arguments

4. Applicant's arguments with respect to claims 1-10, 12-15, 18-26 have been considered but are moot in view of the new ground(s) of rejection.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Marceau Milord whose telephone number is 571-272-7853. The examiner can normally be reached on Monday-Thursday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Matthew D. Anderson can be reached on 571-272-4177. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

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MARCEAU MILORD

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Primary Examiner

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MARCEAU MILORD
PRIMARY EXAMINER